



Error in $F=ma$

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Abstract- I found error in Newton's famous equation $F=ma$.

INTRODUCTION

This document theoretically illustrate's one error in Newton's famous equation $F=ma$.

ERROR IN $F=MA$

$$F=ma$$

$$a =F/m$$

Acceleration is directly proportional to force and inversely proportional to mass according to Newtons Law: $F=ma$

$$a=F/m.$$

It is true when we throw object upward. But when object coming downwards acceleration is directly proportional to mass of object. If the mass of object is more then the acceleration of object will increase.

REFERENCE

Newton, I. (1687). *Philosophiæ Naturalis Principia Mathematica* [Mathematical Principles of Natural Philosophy]. Royal Society of London.

CONCLUSION

In conclusion, I don't know this is already addressed and we have to use the equation depends on situation. I am publishing this paper because just I have noticed.